

Product datasheet for **SC114966**

TRAPPC2 (NM_014563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAPPC2 (NM_014563) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAPPC2
Synonyms:	hYP38334; MIP2A; SEDL; SEDT; TRAPPC2P1; TRS20; ZNF547L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114966 sequence for NM_014563 edited (data generated by NextGen Sequencing) ATGTCTGGGAGCTTCTACTTTGTAATTGTTGGCCACCATGATAATCCAGTTTTTGAATG GAGTTTTTGCCAGCTGGGAAGGCAGAATCCAAAGACGACCATCGTCATCTGAACCAAGTTC ATAGCTCATGCTGCTCTCGACCTCGTAGATGAGAACATGTGGCTATCGAACAACATGTAC TTGAAACTGTGGACAAGTTCAACGAGTGGTTTGTGTCGGCATTGTCACTGCGGGGCAT ATGAGGTTTATTATGCTTCATGACATAAGACAAGAAGATGGAATAAAGAAGTCTTTACT GATGTTTATGATTTATATATAAARTTTTCAATGAATCCATTTTATGAACCAATTCTCCT ATTCGATCAAGTGCATTTGACAGAAAAGTTCAGTTTCTTGGGAAGAAACACCTTTAAGC TGA Clone variation with respect to NM_014563.5 324 g=>r



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014563 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTACAGGTTCCGGGGC
 GCGGGTCTCTCCGCGGAAACTGACATTGCGTTTCCGTTGTGGCCTCCCACTGCAGGAG
 CCATATATTGAAGACCATGTCTGGGAGCTTCTACTTTGTAATTGTTGGCCACCATGATAA
 TCCAGTTTTTGAATGGAGTTTTTGCCAGCTGGGAAGGCAGAATCCAAAGACGACCATCG
 TCATCTGAACCACTGTTTCAAGTCTAGCTCATGCTCTCGACCTCGTAGATGAGAACATGTGGCT
 ATCGAACAACATGTACTTGAAAACCTGGGACAAGTTCAACGAGTGGTTTTGTGTCGGCATT
 TGTCACTGCGGGCATATGAGGTTTATTATGCTTCATGACATAAGACAAGAAGATGGAAT
 AAAGAACTTCTTTACTGATGTTTATGATTTATATATAAAGTTTTCAATGAATCCATTTTA
 TGAACCAATTCTCCTATTTCGATCAAGTGCATTTGACAGAAAAGTTCAAGTTTCTGGGAA
 GAAACACCTTTTAAAGCTGAATGCAGAAAATCCAAAATAAATGATGTCACCACAATGGTG
 TATACTCAGGAATGTGTACATTGTAAGTACTTGATTAATAGCCTGGAAAACCTTTGTG
 TATTCTCAGCTTATCTAAACCTAATGAAATTCCTTTTATTTAAAAATAGTACATTCTG
 TCTCATGTACGTATCAATAGATCAATTGGTATTTCTTGTGAACAGTGTATTTTTTAA
 GAGTTCATTATCAATAATCATGTTTTTTTTTTTTTTTTTTTCTGATACAGAGTCTCACT
 CTGTTGCCAGNCTGGAGTGCAGTGGCGCATCTTGCTACTGCACCTCGNCTNCCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014563 unedited
 GGCCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTGGACAAACATCTTTATTTAAGA
 AATCAAATAGGGTAAAAATTATGCAATTCACACAAGGATACAAGACAAAGCTTAGAATT
 ACTTGCTCAAAAGTTACTCAGAATGGAACAAAATTGTTCAAGTGTCCCAATTAGCACAG
 GCTGTATTACTTGTCTTTCAATGGACATTTACTATTTTACATTAAGATCTACTTATAGGA
 ACAAGAGACAATCCCAGCCCCCTCTGGTGTATCACCTAAAAGACTGAATACAAATGTT
 AATGTAATCCAAGCTTTTCTTTGACAACAATACTAAAAATGCCTTACAATTTTTTACAA
 GTACGAGTATCAACAGTTTACTGTCTGAGGGAAAGGAAATATAAGAATATAAAGTGACAG
 AAGCAACACACTTCACTGTGGCCTGCAACTGCTCCAGCCTCCTATTTTATAAACATGAT
 TTGGGTTCTCACATTATAGCAGGATCACTATTCCTAGCCTCTGGTGAAGCAGACATGTG
 ACATTTAGCACTGCACAAGTGTCTTTGGCTTCTTGAGTAGTGTGTATACTGCCTA
 TACATTTTATAACATCTCTAAATGCATAATGTCAACGTATGTGCTATCACATTTCACTC
 CCAATGCAGAATATTCTAATTTAAATTTATCTACCAAATCTTGACTATGACATTTATT
 TTTAGGTTGTTACATTAAGATCAACCTATCTGGGCCGGGCACGGTGGGCTCACACCTGT
 ATCCCAGCACTTTTGGATGCTGANGCANGAGAATTTGCTTGAGTCAGAAAGCAGAAGGTA
 CNGTGAAACAACCTGCCATTCCTNACGCTGGACACAGAGCGAAACTCCATCTCAAAAAA
 AAAAAACCAAGATCACCTATCTGATNGGTAGTCAAAGCTATTCTGGCGGCCACGNGNTC
 ATGCTGTATCCTNACTN

Restriction Sites:

NotI-NotI

ACCN:

NM_014563

Insert Size:

2660 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_014563.3](#), [NP_055378.1](#)

RefSeq Size: 2691 bp

RefSeq ORF: 423 bp

Locus ID: 6399

UniProt ID: [P0DI81](#)

Cytogenetics: Xp22.2

Domains: Sedlin_N

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is thought to be part of a large multi-subunit complex involved in the targeting and fusion of endoplasmic reticulum-to-Golgi transport vesicles with their acceptor compartment. In addition, the encoded protein can bind c-myc promoter-binding protein 1 and block its transcriptional repression capability. Mutations in this gene are a cause of spondyloepiphyseal dysplasia tarda (SED). A processed pseudogene of this gene is located on chromosome 19, and other pseudogenes are found on chromosomes 8 and Y. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (2) lacks an exon in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.